

# FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

## COMPLETION DATA:

Date Well Completed 11-11-56

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA ☒

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

Location Inspected

Band released

State of Fee Land

## LOGS FILED

Driller's Log 11-28-56

Electric Logs (No. ) 5

E ☒ E-I ☒ GR ☒ GR-N ☒ Micro ☒

Lat ☒ Mi-L ☒ Sonic ☒ Others ☒

*Subsequent Report of abandonment*

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A. or  
operations suspended 11-10-56

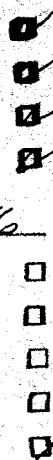
Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed



(SUBMIT IN TRIPLICATE)

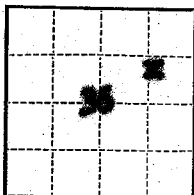
Indian Agency

Navajo-Tribal

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee

Lease No.



## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 27, 1956

19

Navajo-Gothic

Well No. 2 is located 1020 ft. from N line and 760 ft. from E line of sec. 36

NW SE NE Sec 36 10S 27E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Navajo-Gothic WC #2 San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft. **Not run yet**

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Rotary drilling equipment will be used to test the Paradox & Lower Hermosa; Estimated TD 5,700' or top of salt. Surface Formation Morrison Bluff. Surface Casing approximately 900' of 10-3/4" OD J55 & H40 mile casing cemented to the surface. Production string 7" OD 23# J55 casing set through lower most pay. Mud program - water base mud, may convert to gyp base mud if required. Drill stem tests - all oil and gas shows will be tested. Logs - electric logs etc will be run before setting casing or abandonment. A mud logging unit may be employed. ~~Mudlogging~~/ Stimulating treatments such as acid or hydraulic fracturing may be employed in completion efforts.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE CARTER OIL COMPANYAddress Box 472  
Vernal, UtahCOPY ORIGINAL SIGNED Z. L. GRIMMEBy Z. L. GrimmeTitle District Foreman

TELETYPEWRITER MESSAGE

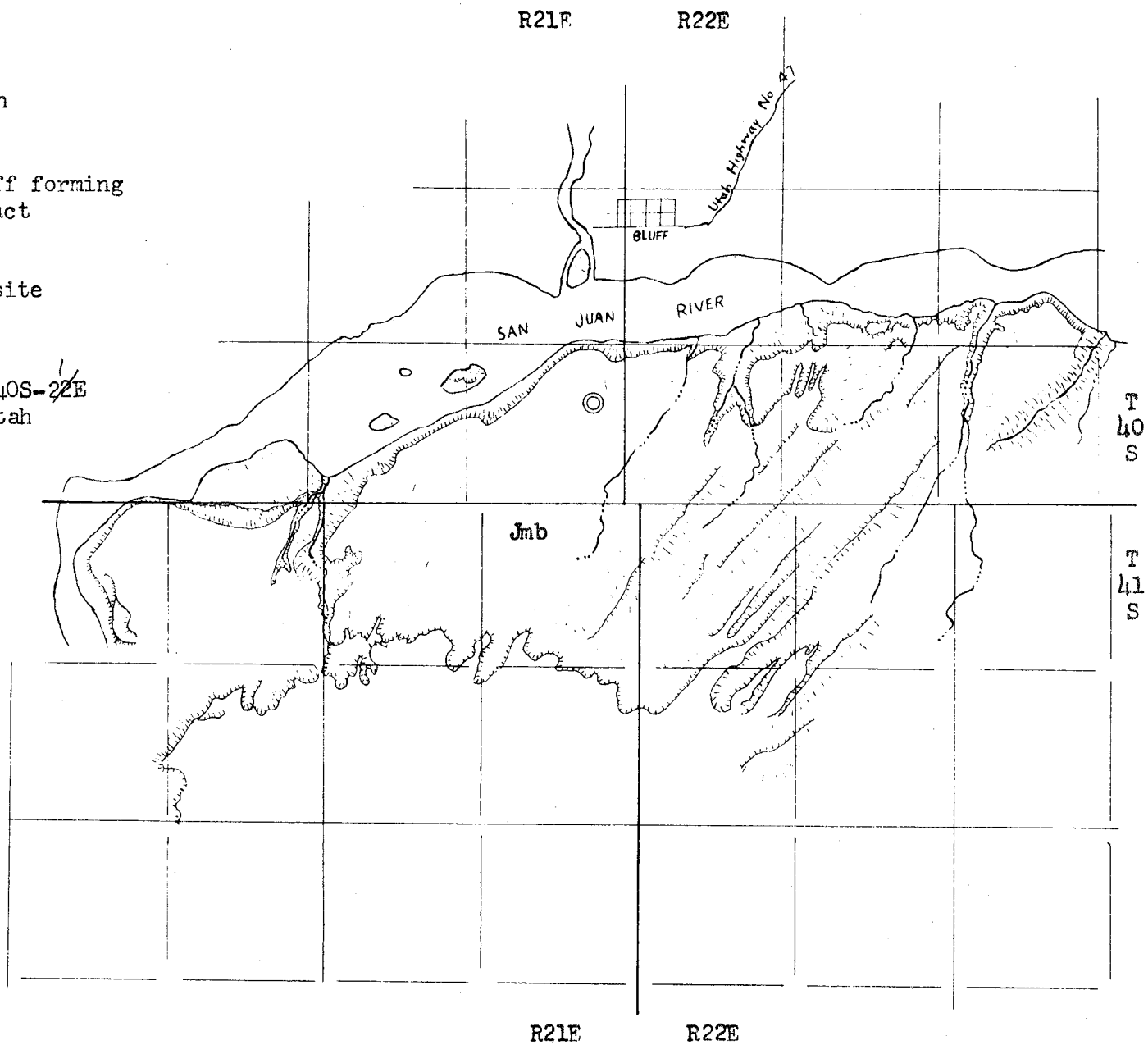
Plat of well location will follow.

TERRAIN MAP  
for Gothic #2  
compiled by  
W. W. Hallstein

Legend:

- Jmb - bluff ss - cliff forming
- - formation contact
- - cliff
- - rough terrain
- - proposed well site

Navajo-Gothic #2  
NWSENE Section 36-40S-22E  
San Juan County, Utah



August 6, 1956

The Carter Oil Company  
Box 472  
Vernal, Utah

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo-Gothic 2, which is to be located 1820 feet from the north line and 760 feet from the east line of Section 36, Township 40 South, Range 22 East, SLM, San Juan County, Utah.

21

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

CLEON B. FEIGHT  
SECRETARY

CBF:co

cc: Phil McGrath  
U.S. Geological Survey  
Farmington,  
New Mexico

C O P Y

Budget Bureau No. 42-R359.4.  
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo-Tribal

Cont# 14-20-603-267

	36	x

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_

Lease No. \_\_\_\_\_

*Notes  
COK  
8-24-56*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Report of Setting 10-3/4" Casing	x

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 22, 1956

Navajo-Gothic

Well No. 2 is located 1820 ft. from [N] line and 760 ft. from [E] line of sec. 36

NW SE NE Sec 36

40S

22E

SLM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Navajo-Gothic WC #2

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded well at 1:00 AM 8-13-56.

Ran 811' of 10-3/4" OD 32.75# 8rd thd H-40 smls casing, set at 822'. Guide shoe at 822', float collar at 797', centralizers at 812' and 722'. Cemented with 400 sacks regular cement. Cement circulated OK. Stopped plug at 795'. Tested blank rams and pipe rams at 1000# for 30 minutes held OK. Drilled cement plug-tested pipe at 400# held.-OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE CARTER OIL COMPANY

Address Box 472

Vernal, Utah

COPY (ORIGINAL SIGNED) **B. M. BRADLEY**

By B M Bradley

Title District Superintendent

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo-Tribal  
Cont# 14-20-603-267UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_

Lease No. \_\_\_\_\_

			X
	36		

## SUNDRY NOTICES AND REPORTS ON WELLS

*Notes  
Cart  
10-16-56*

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Report of Drill Stem Test	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 11, 1956, 19\_\_\_\_

Navajo-Gothic  
Well No. 2 is located 1820 ft. from [N] line and 760 ft. from [E] line of sec. 36  
NW SE NE Sec 36 40S 21E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Navajo-Gothic WC#2 San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4719 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- DST #1 - TD 5304' packer at 5145', packer did not hold - misrun.  
DST #2 - TD 5356' packer at 5167' - Very weak initial blow dead in 31 minutes, bypassed tool no blow for 8 minutes. Very weak blow dead in 10 minutes. Tool open 2 hrs shut in 30 minutes. Recovered 40' drilling fluid, no show of oil or gas. All pressures 0, Hydrostatic 2745#.  
DST #3 - TD 5457' - packer at 5402' - Weak initial blow decreased to very faint blow at end of test. Tool open 2 hrs shut in 30 minutes. Recovered 240' slightly gas cut drlg mud. IFP 0#, FFP 75#, SIP 80#, IHP 2745#, FHP 2720#.  
DST #4 - TD 5507' packer at 5389' - Weak initial blow gradually decreased to very faint blow at end of test. Recovered 460' of drlg fluid, no gas or oil. Tool open 4 hrs, shut in 30 minutes. IFP 115#, FFP 310#, SIP 1370#, IHP 2705#, FHP 2725#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil CompanyAddress Box 472Vernal, UtahBy COPY (ORIGINAL SIGNED) B. M. BRADLEY  
B M BradleyTitle District Superintendent

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo-Tribal

Cont# 14-20-603-267

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_

Lease No. \_\_\_\_\_

			X
	36		

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		<u>Report of Drill Stem Test</u>	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 12, 1956, 19\_\_

Navajo-Gothic

Well No. 2 is located 1820 ft. from [N] line and 760 ft. from [E] line of sec. 36

NW SE NE Sec 36

40S

21E

S1M

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Navajo-Gothic WC#2

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 4719 ft.

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #5 - TD 5,814'. Halliburton selective zone tester, top packer at 5395', lower packer at 5463', zone tested 5395-5463'. Weak initial blow gradually decreased to dead in 7 hours 10 minutes. Tool open 9 hours, shut in 1 hour. Recovered 200' of heavily water cut salty drilling fluid, Viscosity 32, salt content 234,000 PPM. No show of either oil or gas. IFP 30#, FFP 130#, SIP 1430#, IHP 2990#, FHP 2900#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company

Address Box 472, Vernal, Utah

COPY (ORIGINAL SIGNED) B. M. BRADLEY

By B M Bradley

Title District Superintendent



36		X

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal  
Cont# 14-20-603-267  
Allottee \_\_\_\_\_  
Lease No. \_\_\_\_\_

*Noted  
case  
10/18/56*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Report of Drill Stem Test	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 16, 1956, 19

Navajo-Gothic  
Well No. 2 is located 1820 ft. from [N] line and 760 ft. from [E] line of sec. 36  
NW SE NE Sec 36 LOS 21E SIM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Navajo-Gothic WC#2 San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4719 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST # 6 - TD 5,871' packer at 5827' - Tool open 2 hours, shut in 30 minutes.  
Faint initial blow decreasing to dead in 1 hr 18 minutes. Bypassed tool, very faint blow dead in 8 minutes. Recovered 50' slightly gas cut drilling mud.  
IFP 0#, FFP 0#, SIP 0#, IHP 3513#, FHP 3515#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company

Address Box 472

Vernal, Utah

COPY (ORIGINAL SIGNED) B. M. BRADLEY

By B M Bradley

Title District Superintendent

(SUBMIT IN TRIPLICATE)

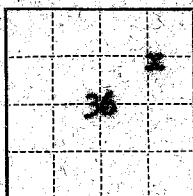
Indian Agency Navajo-Tribal

Cont. # 11-20-603-267

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_

Lease No. \_\_\_\_\_



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<u>Report of Drill Stem Test</u>	<u>x</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 26, 19 56

Navajo-Gothic  
Well No. 2 is located 1820 ft. from [N] line and 760 ft. from [E] line of sec. 36

NW SE NE Sec. 36 106 21E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Navajo-Gothic WC #2 San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4719 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

BST #7 - TD 6,026', packer @ 5,936'. Tool open 4 1/2 hours. Good initial blow, gradually decreasing and dead in 3 hours, 50-minutes. Tried to close tool after 4 hours. Tool would not close. Small amount of gas to surface in 50-minutes. Recovered 315' heavily gas cut drilling fluid. IFP 290#, FFP 175#, Hyd. 3575#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company

Address Box 472

Vernal, Utah

By COPY (ORIGINAL SIGNED) B. M. BRADLEY

B. M. Bradley  
Title District Superintendent

(SUBMIT IN TRIPLICATE)

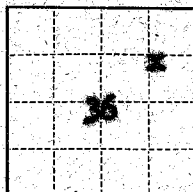
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal

Cont. #11-20-603-267

Allottee \_\_\_\_\_

Lease No. \_\_\_\_\_



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	
NOTICE OF INTENTION TO CHANGE PLANS _____	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____	SUBSEQUENT REPORT OF ALTERING CASING _____	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____	
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____	
NOTICE OF INTENTION TO ABANDON WELL _____	<b>Report of Drill Stem Test</b>	<b>x</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 26, 19 56

Navajo-Gothic  
Well No. 2 is located 1820 ft. from N line and 760 ft. from E line of sec. 36

NW SE NE Sec. 36  
(1/4 Sec. and Sec. No.)

LOS  
(Twp.)

ZIE  
(Range)

SLM  
(Meridian)

Navajo-Gothic WC #2  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 4719 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #8 - TD 6,158', packer 6,126'. Very weak initial blow gradually increased to good blow in 3 hours, 15-minutes, remained constant for rest of test. Tool open 5 hours, shut in 30-minutes. Recovered 220' slightly oil cut and heavily gas cut drilling mud. No gas to surface, IFP 0#, FFP 75#, SIP 515#, IHP 3605#, RHP 3615#.

DST #9 - TD 6,380', packer 6,158'. Good initial blow continued throughout test. Tool open 4 hours, shut in 30-minutes, no gas to surface. Recovered 5,510' heavily gas and drilling fluid cut salt water. Gas in mud would not burn. IFP 295#, FFP 2010#, SIP 2675#, IHP 4000#, RHP 4010#, salt 115,000 PPM.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company

Address P. O. Box 472

VERNAL, Utah

By COPY (ORIGINAL SIGNED) B. M. BRADLEY

B. M. Bradley  
Title District Superintendent

(SUBMIT IN TRIPLICATE)

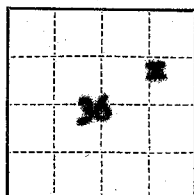
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency Navajo-Tribal

Contd. 2-20-603-867

Allottee Noted

Lease No. 11/76/53



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<input checked="" type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 12, 1956, 19

Navajo-Gothic

Well No. 2 is located 1820 ft. from N line and 760 ft. from E line of sec. 36

NW SE NE Sec 36

LOS

21E

SLM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Navajo-Gothic WC #2

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 4729 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**TO 6780' - It is intended to plug and abandon well as follows:**

**Cement plugs as follows:**

70 sacks - 6780-6610'	60 sacks - 2150-2000'
135 sacks - 6130-6100'	30 sacks - 852-792'
60 sacks - 6050-5900'	20 sacks - 15' to surface
60 sacks - 5800-5250'	
60 sacks - 2550-2100'	

**Intervals between plugs to be filled with drilling mud.**

**To erect a 4" dry hole marker extending from cellar to 4' above ground level.**

**Pits to be filled and location to be cleaned.**

**Verbal approval for above received 11-10-56 from Roswell, NM Office.**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company

Address Box 472

Vernal, Utah

By COPY (ORIGINAL SIGNED) B. M. BRADLEY

Title District Superintendent

(SUBMIT IN TRIPLICATE)

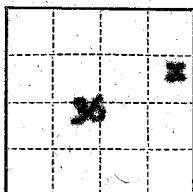
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency **Navajo-Tribal**

Cont. **614-20-603-267**

Allottee **Noted**

Lease No. **11/76/56**



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<b>Report of Drill Stem Tests</b>	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**November 22, 1956**

**Navajo-Gothic**  
Well No. **2** is located **1820** ft. from **N** line and **760** ft. from **E** line of sec. **36**  
**NE SE NE SEC. 36** **LOS** **21E** **S1M**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Navajo-Gothic WC #2** **San Juan** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **4719** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**TEST #10 - TD 6782 packer at 6705' - Tool open 1 hr shut in 30 minutes. Strong initial blow gradually decreased to good at end of 10 min test. Non inflammable gas to surface in 9 minutes, in 7 minutes gas rate 116 Mcf/day, 37 minutes 62 Mcf/day, 1 hr 7 minutes 51 Mcf, remained constant for additional 2 hrs then decreased to 49 Mcf and in 30 minutes (end of test) was 41 Mcf/day. Recovered 1830' of fluid - (180' heavily gas cut mud, 990' of 31 gravity 96° pour point crude with 5% drilling mud & 10% salt water, 660' salt water with 105,600 FPM salt.) IFP 285%, FFP 915%, SLP 2430%, IHP 1025%, FHP 3960%.**

**TEST #11 - Miscrun -**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Carter Oil Company**

Address **Box 472**

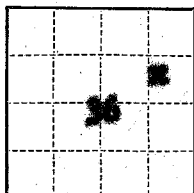
**Vernal, Utah**

By **COPY (ORIGINAL SIGNED) D. M. BRADLEY**

**D. M. Bradley**

Title **District Superintendent**

(SUBMIT IN TRIPLICATE)

Indian Agency **Navajo-Tribal**  
**cont #11-20-403-287**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_

Lease No. \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	
NOTICE OF INTENTION TO CHANGE PLANS _____	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____	SUBSEQUENT REPORT OF ALTERING CASING _____	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____	
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____	
NOTICE OF INTENTION TO ABANDON WELL _____	<b>Report of Well Stem Test</b>	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 12, 1956

, 19

Navajo-Ordino

Well No. **2** is located **1020** ft. from **N** line and **760** ft. from **E** line of sec. **36**

NW SE NE Sec 36

10S

21E

SLM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Navajo-Ordino WC #2

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is **4739** ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TEST #12 - TD 6780' Corrected - Tested interval 6606-6737' - Tool open 1/2 hrs 10 minutes, Shut in 30 minutes. Strong initial blow gas to surface in 22 minutes, continued strong throughout test. Gas non-inflammable. Recovered 890' fluid of which 110' heavily oil & gas cut mud, 90' heavily mud and water cut oil, 690' oil with 20% mud and 18' salt water, 90' salt water. At one hr measured 53,740 cuft/day, at 2 hours 46,560 cuft/day; at 1/2 hrs 24,900 cuft/day. Initial and Final flow pressures 3635#, no other pressures clock had stopped.

TEST # 13 - TD 6780- tested 6654-6716' - Open 1/2 hrs Shut in 30 min. Good initial blow to strong blow in 7 minutes remained strong thru test. Non Inflammable g.s to surface in 16 min. In 25 min 214,000 cuft/day; in 55 min 195,000 cuft; 1 hr 25 min 124,000 cuft; 1 hr 55 min 108,000 cuft; rest of test held at 88,000 cuft. Recovered 690' fluid (120' heavily oil & gas cut mud, 90' heavily gas & mud cut oil, 390' oil high pour point with 7% mud and 10% salt water & 90' of salt water. IFP 189#, FFP 370#, SIP 970#, IHP 3890#, FHP 384#

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Carter Oil Company**Address **Box 472****Vernal, Utah**COPY (ORIGINAL SIGNED) **B. M. BRADLEY**By **B M Bradley**Title **District Superintendent**

Navajo-Tribal

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Permit 11-20-603-267

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Carter Oil Company Address Box 472, Vernal, Utah  
 Lessor or Tract Navajo-Gothic Field Navajo-Gothic NO State Utah  
 Well No. 2 Sec. 36 T. 40N R. 23W Meridian S14 County San Juan  
 Location 1520 ft. SW of N Line and 760 ft. SW of N Line of Sec 36 Elevation 4729  
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon  
 so far as can be determined from all available records.

COPY (ORIGINAL) D. M. BRADLEYDate November 16, 1956Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 8-23-56, 19 Finished drilling 11-11-56, 19

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6700 to 6700' No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10-3/4"</u>	<u>32.75</u>	<u>8rd</u>	<u>MBO</u>	<u>511'</u>	<u>HWCO</u>	<u>•</u>	<u>•</u>		<u>Surface</u>

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>822'</u>	<u>100 sacks</u>	<u>Halliburton</u>		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from 0 feet to 5780' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from None feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

11-11-56, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

Leon O Morris, Driller U F Fisher, Driller  
Lee Perryman, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	94	94'	Bluff: Massive white to pink, fine grained sandstone
94	350	256'	Summerville - Soft interbedded siltstone shale and gypsum
350	464	114'	Entrada - Interbedded brown & red sandstone
464	538	74'	Carmel - Silty red brown shale
538	1532	994'	Olson Canyon - Massive sandstone w/interbedded red brown shales
1532	2302	770'	Chinle - Interbedded shale & silt with lime stringers
2302	2335	33'	Moenkopi - Red brown & chocolate brown shale
2335	3950	1615'	Permian - brown & yellow sandstone with increasing gyp & limestone in lower section
3950	4327	377'	Bico - Red brown & gray shale with limestone stringers
4327	5350	1023'	Permian - Silty fossiliferous limestone with gray shale stringers
5350	5590	240'	Paradox - Limestone & dolomite with anhydrite stringers and black shale
5590	6000	410'	Paradox Salt - with shale stringers
6000	6090	90'	Lower Paradox - anhydrite & dolomite
6090	6338	248'	Lower Permian - Fine crystalline dolomite w/chert
6338	6581	243'	Molas-Varigated shale & soft limestone
6581	6780	199'	Mississippian - Lenses to regular limestone and dolomite with chert
FROM—	TO—	TOTAL FEET	FORMATION

16-43004-3

FORMATION RECORD—CONTINUED

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FORM 9-330

SERIAL NUMBER

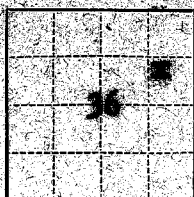
U. S. FIELD OFFICE

APR 26 1957  
 LAB. EXHIBITS 15-31-22  
 BUREAU NO. 43-B-3223



## FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
Core No. 1 - 5254 to 5304'	recovered 50'	20'	limestone brownish gray, dense, occasional pin point porosity, no show; 20' limestone as above with large dark gray chert inclusions; 5' limestone light brownish gray fine crystalline and tight; 4' limestone as above with seams of chert; 2' limestone dark gray fine crystalline very dense and tight; 30' limestone dark gray to black tight dense slightly silty with occasional small diagonal fractures; 3' limestone as above with thin streaks of siltstone throughout; 1' limestone dark brownish gray, very dense.
Core No. 2 - 5304-5356'	recovered 48'	2'	limestone brown gray very fine crystalline dense, hard with faint oil odor; 26 1/2' dolomite dark gray very fine crystalline dense hard and liny; 6' as above but fossiliferous with patches of oil stain, good odor bleeding oil slightly; 3' dolomite as above but grading into shale in lower half; 8' shale very dark gray slightly liny.
Core No. 3 - 5356-5407'	recovered 50'	12'	shale, black sooty, dolomitic; 1 1/2' limestone dark gray, dense, very fossiliferous faint odor on fresh breaks; 7 1/2' limestone gray dense, hard, anhydritic; 1' shale dark gray dolomitic; 26' anhydrite, gray brown, crystalline w/ some dark gray shale streaks; 2' limestone, gray, finely crystalline and anhydrite interbedded.
Core No. 4 - 5407-5457'	recovered 48'	7'	limestone dark gray hard dense, tight slight oil show in lower 2'; 6' dolomite dark brown calcareous anhydrite crystalline, slightly porous slight oil show upper 2'; 11' limestone dark gray soft chalky anhydrite crystalline; 5' dolomite dark brown gray anhydrite crystalline; 3' limestone dark gray very shaly tight; 16' dolomite light gray silty few shale partings tight dense.
Core No. 5 - 5457-5507'	recovered 48'	2'	dolomite dark gray slightly calcareous dense anhydritic; 8' dolomite gray white slightly shaly; 3' dolomite dark brown gray silty and calcareous; 5' limestone very dark gray silty dolomite and dense; 5' limestone black very shaly dolomite and fossiliferous; 1' limestone dark gray brown very fossiliferous anhydritic; 1' dolomite brown shaly slightly calcareous spotted oil show throughout; 1' as above hard dense no show; 4' dolomite as above good to fair oil show and stain pin point bleeding throughout; 4' limestone dark brown gray to gray dolomite anhydrite crystals throughout; 1 1/2' dolomite light brown gray tight scattered oil stain; 7 1/2' limestone light gray soft fossiliferous and fractured slightly porous with occasional small vugs, slight bleeding of oil and salt water; 3' limestone light brown gray fine crystalline occasional spotted oil show very anhydritic.
Core No. 6 - 5507-5558'	recovered 45'	8'	dolomite, dark brown gray, fine crystalline, traces of anhydrite and gypsum throughout; 8' dark brown dolomite, slightly shaly and dense; 4' dolomite dark gray with large anhydrite clusters, few dark gray shale partings; 4' dolomite tan gray fine crystalline anhydrite in small fractures tight and dense; 2' dolomite tan fine crystalline, dense, tight with fluorescence in seams; 6' dolomite tan very dense anhydrite crystals in seams throughout; 13' shale, black sooty badly washed out in places.
Core No. 7 - 5559-5592'	recovered 11'	1'	shale black, silty calcareous; 1' limestone dark brown, dolomitic slightly shaly anhydritic; 1' shale very dark brown, gray calcareous; 4' dolomite medium gray dense shaly calcareous; 1' dolomite brown, tight dense and anhydritic. No show in core. Top of salt 5590'.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency

Navajo Tribal

Allottee

Lease No.

11-20-603-267

SUNDRY NOTICES AND REPORTS ON WELLS

7-H  
4-28

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 22, 1958

19

Navajo-Gothic

Well No. 2 is located 1820 ft. from <sup>[N]</sup><sub>xx</sub> line and 760 ft. from <sup>[E]</sup><sub>xx</sub> line of sec. 36

NSSENE Section 36

40S

21E

SLM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Navajo-Gothic WC#2

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 4719 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD 6780' - Well plugged and abandoned as follows:

Placed cement plugs - 70 sacks 6780-6610'; 135 sacks 6430-6100'; 60 sacks 6050-5900'; 60 sacks 5400-5250'; 60 sacks 2550-2400'; 60 sacks 2150-2000'; 30 sacks 852-792'; 20 sacks 15' to the surface. Intervals between plugs filled with drilling mud. Erected a 4" dry hole marker extending 4' above ground level. Filled pits and leveled location. Ready for inspection.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Carter Oil Company

Production Department

Address Box 3082

Durango, Colorado

By COPY: O/S H L Farris

Title District Foreman